

# ECON

PELLETIZING  
IS IN OUR  
DNA



✓ WORLDWIDE TECHNOLOGICAL LEADER

✓ TRUSTED DEVELOPMENT PARTNER



## ECON IA

WE ARE READY FOR  
THE REVOLUTION  
OF PELLETIZING —  
ARE YOU?

ISO 9001 certified

[www.econ.eu](http://www.econ.eu)

# PELLETIZING 4.0

## **ECONIA** - THE FIRST FULLY AUTOMATED PELLETIZING SYSTEM

**ECONia** combines the advantages of thermal insulation and Industry 4.0 in an innovative, new way. An integrated robot takes over the usual operating processes, making a fully automated line become reality. The manual start-up process of the machine and the manual change of the knife carrier are now a thing of the past. The operator can efficiently operate and control more than 10 lines from only one control center. An inline monitoring system (**ECON** Pellet Vision) monitors the pellets to ensure the best quality possible. If the system measures deviations, the parameters are adjusted automatically to achieve the best results.

- **quality first** – the implemented **ECON** Pellet Vision (inline monitoring system) guarantees the production of high-quality pellets and reduces large amounts of off-spec material
- **secure** – high safety level for the operator
- **stable** – the automated process and **ECON** Pellet Vision ensure high process stability
- **efficient** – the automated system significantly reduces the cost intensive production downtimes during start-up processes and knife carrier changes
- **economical** – less manpower is required

In addition, **ECONia** has all the advantages of thermal insulation, which guarantees the best production process possible.



Video



## ECON PELLETT VISION

**ECON** Pellet Vision is an inline monitoring system that uses two cameras to ensure perfect quality and high process stability.

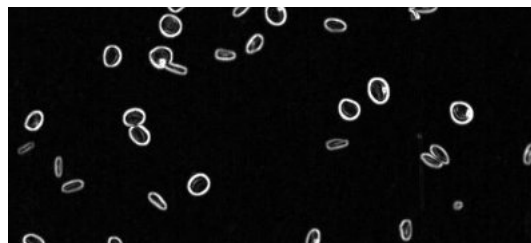
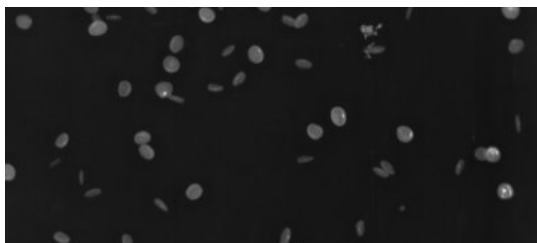
### **ECON Agglomerate Detection**

The **ECON** Agglomerate Detection recognizes lumps and chains during the start-up process to ensure a safe start-up procedure. This system thus guarantees a high process stability.

### **ECON Pellet Monitoring System**

The **ECON** Pellet Monitoring System continually measures the size of the pellets to detect deviations. The following three failure scenarios can be detected and the system automatically adjusts the relevant parameters:

- different sizes of the pellets indicate process-related pellet deviations
- changes in the average pellet size indicates a deviation of throughput or pelletizing speed
- color deviations, which may occur due to failure of the dosage, are displayed



ECONia	Water Treatment and Drying System	Throughput capacity*
ECONia 10	EWT 110	1 up to max. 30 kg/h (2 to 60 lbs/h)
ECONia 150	EWT 250	100 up to max. 450 kg/h (220 to 1000 lbs/h)
ECONia 400	EWT 350	300 up to max. 800 kg/h (660 to 1700 lbs/h)
ECONia 1000	EWT 400	700 up to max. 1800 kg/h (1500 to 4000 lbs/h)
ECONia 1500	EWT 400	800 up to max. 2.500 kg/h (1700 to 5500 lbs/h)
ECONia 3000	EWT 500	1.800 up to max. 3.500 kg/h (4000 to 8000 lbs/h)

\*The above-mentioned output ranges are reference values for standard pellets. Throughputs always depend on material properties and pellet size and therefore, they may deviate on an individual basis. Throughputs for micro pellets are usually lower.



**FOR ALL THERMOPLASTICS AND SPECIAL APPLICATIONS**



**PATENTED THERMAL INSULATION TECHNOLOGY**



**EASY AND SAFE OPERATION**



**ENERGY-EFFICIENT SOLUTIONS**



**TAILOR-MADE SOLUTIONS**



**TRAINING OF YOUR STAFF**



**PREMIUM SERVICE**  
- **service quality** for your success  
- **flexible service solutions** - for your individual requirements



**QUALITY PROOFED ORIGINAL SPARE PARTS**  
- ECON certified  
- locally stocked  
**- 96% in stock**



**PROFESSIONAL REMOTE MAINTENANCE**



**PREVENTIVE MAINTENANCE**

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#### Downloads



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